AFCEA 2005 Joint C4ISR Symposium

Implementing the Global Enterprise

Session IV: Deploying Joint Capability

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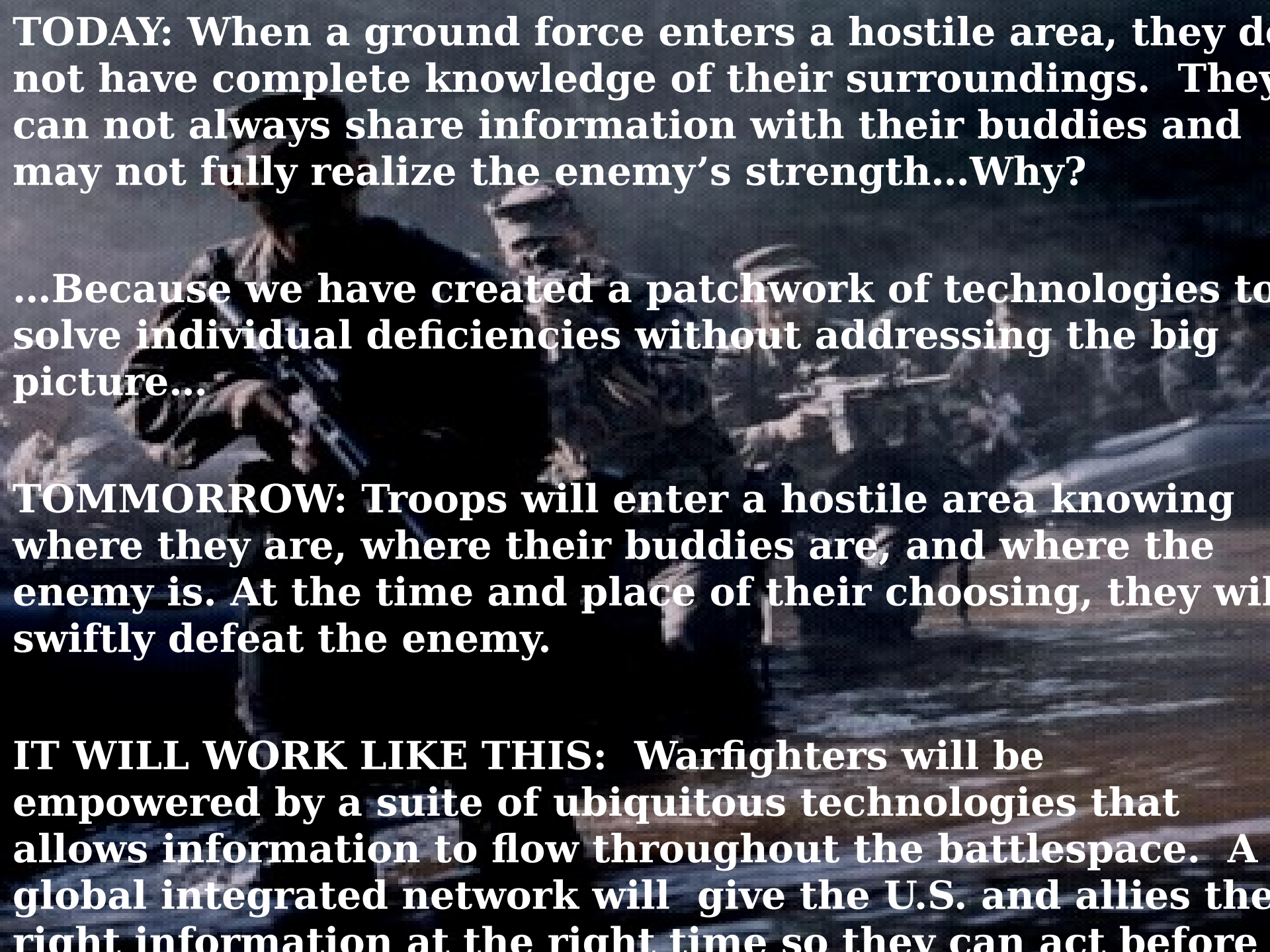


TODAY: When a ground force enters a hostile area, they do not have complete knowledge of their surroundings. They can not always share information with their buddies and may not fully realize the enemy's strength…Why?

…Because we have created a patchwork of technologies to solve individual deficiencies without addressing the big picture…

TOMMORROW: Troops will enter a hostile area knowing where they are, where their buddies are, and where the enemy is. At the time and place of their choosing, they will swiftly defeat the enemy.

IT WILL WORK LIKE THIS: Warfighters will be empowered by a suite of ubiquitous technologies that allows information to flow throughout the battlespace. A global integrated network will give the U.S. and allies the right information at the right time so they can act before

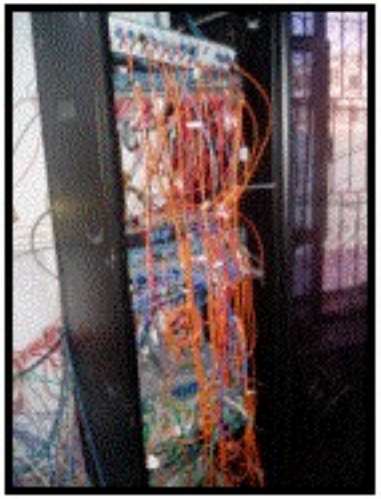
Challenges

- Synchronize Joint C4 Capability Governance
- Information Assurance
- Joint Configuration and Network Management
- Spectrum Utilization
- Information Sharing
- Training

The CIS conducts C4 support of Joint, Coalition and Iraqi Security Forces operations in the Iraq Joint Operations Area (JOA). The CIS plans, programs and directs Headquarters and Joint, Coalition and ISF communications and information systems, networks for deployed forces across the Iraqi JOA; assures reliability of C4 systems, provides C4 policy and guidance, and conducts Network Operations on these networks.

Situation in August 2004

- Poor QoS Voice & Data
- Quality Assurance of Infrastructure
- Hasty (need it now) versus deliberate and enduring planning
- Scaffolds versus Towers – documented key weakness
- Single points of failure with little room for redundancy
- Rapid enclave evolution
- Lack of enterprise solution
- Lack of Signal organizational relationships
- Disjointed priorities, competing requirements, lack of standardization
- Blank Check Mentality
- No Commercial Infrastructure



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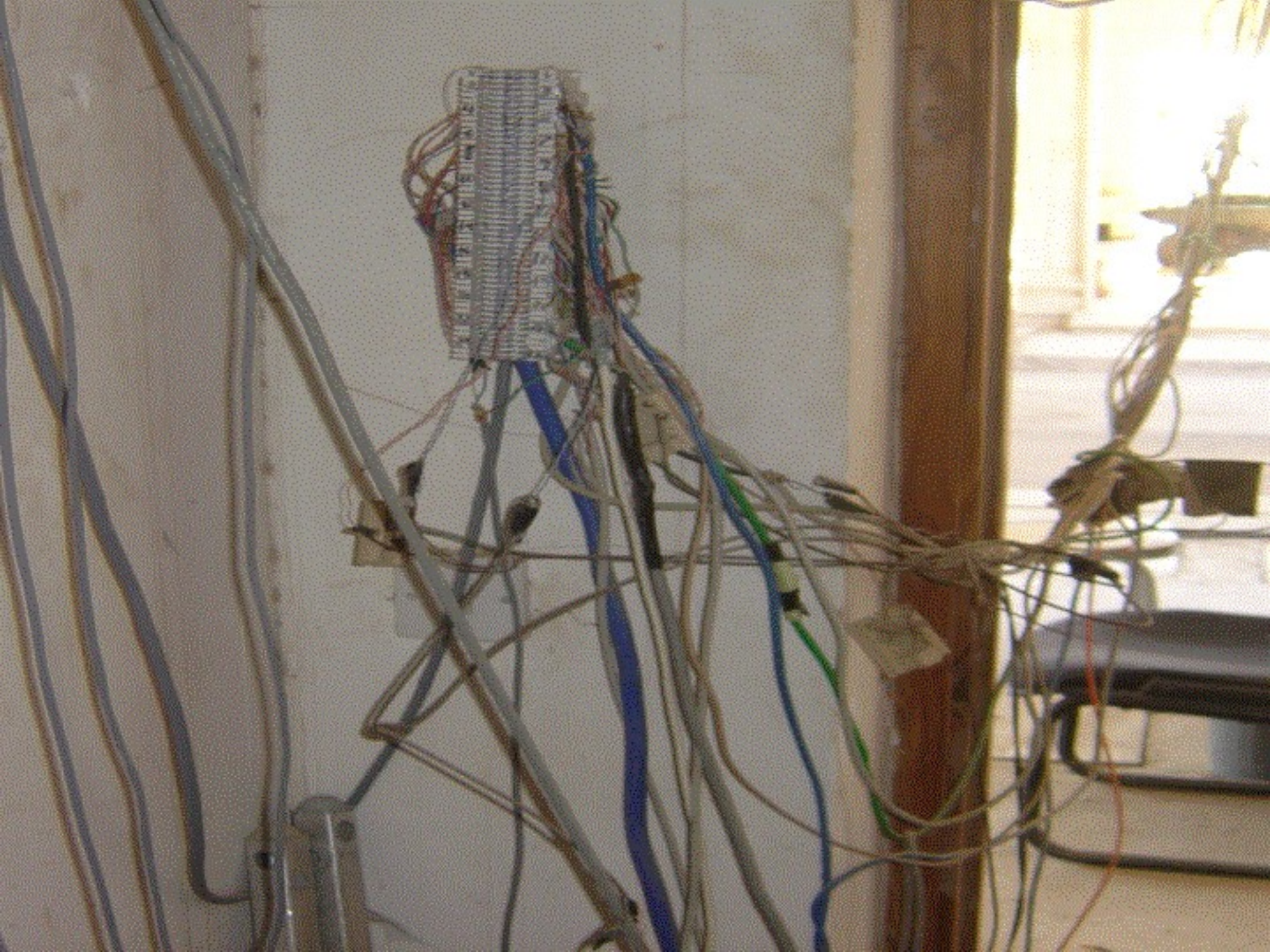
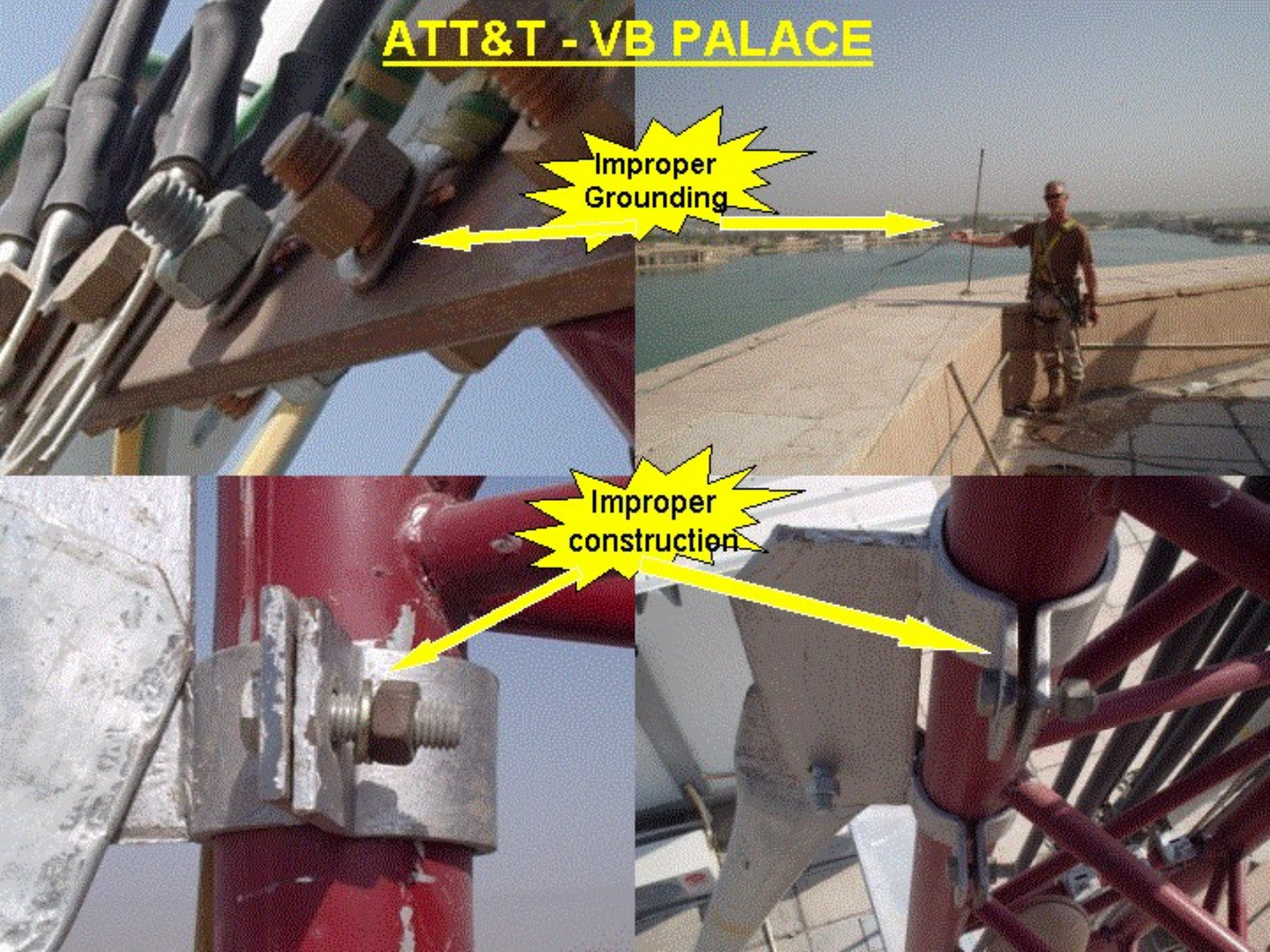


CHRISTIAN COALITION
Talent
Show
CORDLESS PHONES
TWO WAY RADIOS
CAR ALARMS

VICTORY BASE TOWER

CP SLAYER TOWER

ATT&T - VB PALACE



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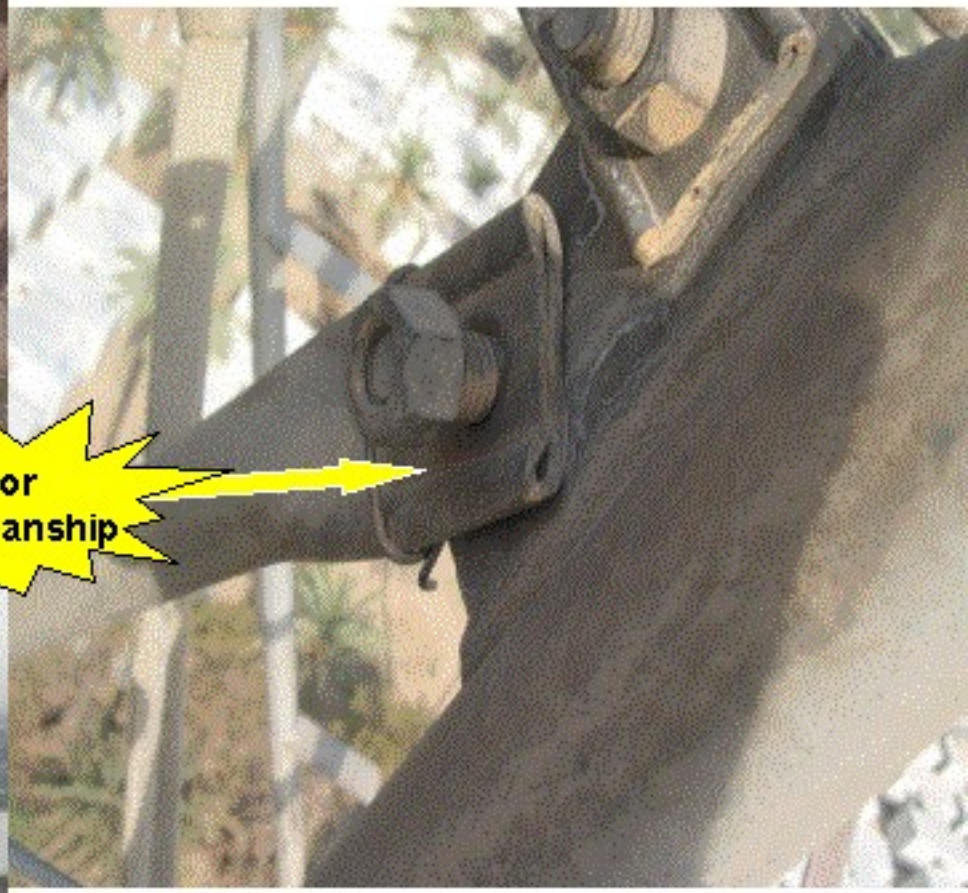

57th Signal Battalion and A/111th Signal Battalion Construct the hardening solution to protect the Fiber optics being laid in the Victory Base, Baghdad, Iraq region.

57th Signal Battalion, and A/111th Signal Battalion pull Fiber optics through the Al Faw Palace Lake.

ISSUES

- Too Much Dreaming/Wild Ideas—Fix Basics
- Certification/Accreditation Process
- Drive By Fielding—No Training—No O&M Tail
- Stovepipes (AEROSTATS)
- Information Held Captive
- Lack of Jointness
- Tactical Bandwidth
- Transition fm Tactical to Strategic
- Civilian/Commercial Infrastructure
- Commercialization—Too Costly—Too Slow
- Insatiable Appetite
- Blank Check Mentality

TAKE AWAYS

- Information Sharing
- Use of New Technology
- Spectrum
- Acquisition Process
- Training
- Network Operations
- Information Assurance